

## Existing condition

No	Dwg Name	Dwg Description
1	Site survey plan	Site plan showing following in detail :- Existing vegetation with each tree detail like species, girth, canopy etc. Contours with levels Infrastructure facilities like roads, electric substation, tube well, temp/permanent structures, sewer line etc. Natural features like water body, stream etc.
2	Approved plan	Plans submitted for approval to the local authority showing the following details :- Site area calculations Building area calculation (FSI etc.) Total built up area Ground coverage % Parking calculations
3	Site location plan	Location plan demarcating site and surrounding areas up to 2 km radius around site showing :- Transportation services like bus/rail/metro station Infrastructure facilities like fire station, post office, shopping complex, temple, mosque, gurudwara, church etc.

## Proposed condition ( during construction)

No	Dwg Name	Dwg Description
1	Proposed site management plan (During Construction)	Site plan demarcating area to which construction activity shall be limited. Also show :- Proposed building Topsoil collection and preservation area Prevention measures for top soil erosion Drainage Site office Construction material storage Waste segregation area Air pollution prevention measures etc. Layout for labor huts Drinking water and toilet facilities for workers

## Proposed condition ( for construction)

No	Dwg Name	Dwg Description
1	Site plan	Architectural Site plan showing :-

		Proposed building
		Green spaces
		Parking lots
		Infrastructure facilities like guard house, ESS, Pump house etc.
		Road layout
2	Building drawings	All floor plans with interior layouts
		All side elevation with levels and finishes
		Minimum 2 sections ( more sections should be submitted if required)
		Architecture details -
		Facilities for Physically Challenged toilets, ramps, staircase lifts etc.
		Fenestration details
		Door & window schedule
3a	Service drawings (site)	Site service layouts showing :-
		Electric lines with street, landscape and architecture lighting proposed
		Water supply lines
		Fire hydrant lines
		Sewage lines (STP)
		Rain water harvesting layout
		Sections of utility corridor
		Renewable energy site layout and location
3b	Service drawings (building)	Building service layouts :-
		Electric schematic circuit diagram
		HVAC schematic diagram
		Water and sewage schematic
		Fire prevention measures like sprinkler systems, house, reels etc.
4	Landscaping plan	Proposed landscaping plan showing :-
		Plantation marking newly planted, transplanted, and trees cut. Provide calculation for tree plantation for 1:4 ratio and tree details (girth, canopy and species etc.)
		Paved areas with finishes
		Parking areas with finishes
		Road with finishes
		Shrubs proposed
		Grass patches

## Narratives

No	Submittals	Description
1	Project timeline	Pert chart showing the timeline of construction activity proposed.
2	Site Preservation	Narrative on the measures to be taken to preserve existing site features

		Soil preservation
		Tree preservation
3	Soil test report	Report on the fertility of the top soil Existing condition i.e. fertile or non fertile Recommendation to increase fertility if any Measures to be taken to preserve soil and future reuse options
4	Site analysis report	Narrative demonstrating sustainable site planning
5	Hard paving	Provide narrative on reducing hard paving/shaded surfaces/ surface with high SRI (Solar reflective index). Calculations
6	Outdoor lighting	List of Lamps with details for wattage, efficacy(lumen/watt), luminaire Brochures (if available) Calculations for Renewable energy based outdoor lighting Controls for lighting
7	Health and safety	Narrative on the health and safety measure to be provided on site for workers. Clean and hygienic drinking water Clean and hygienic living space Hard helmets and safety harnesses Hard boots Masks and goggles where required Safety net Safety drills Safe handling of hazardous waste.
8	Air pollution	Narrative on air pollution prevention measure to be provided on site Wheel washing facility Covering dusty materials Sprinkling water over dust Proper height and orientation of DG sets chimneys
9	Water saving in landscaping	Narrative on the measures and systems adopted to reduce water consumption in landscaping. List of proposed trees and shrubs with species, girth and canopy details Irrigation system and methods to be utilized List and brochures for proposed irrigation systems
10	Water saving in building	Provide a narrative on measures and systems proposed to reduce water consumption in building List of fixtures (w.c., taps, showers, faucets etc.)proposed in the building Brochures for the proposed fixtures (if applicable)

11	Water saving during construction	Narrative on water saving techniques and measures to be used during construction Use of water collected in sedimentation tanks for curing Use of gunny bags Ponding for slabs List of admixtures if used on site Use of recycled water during construction Use of rainwater, water obtained from dewatering
12	ECBC compliance	Provide a narrative on energy conservation and thermal performance improvement measures to be adopted to meet the mandatory criteria of ECBC WWR(Window Wall Ratio) should not be more than 60% Min. 25% area should be daylight (as per GRIHA) Effective SHGC (Solar Heat Gain Coefficient) of glass Glass ,wall, roof specifications with u factor HVAC (Heating, Ventilation, Air Conditioning System )/air cooling/fans Control for Lighting and HVAC Electrical power Strategies on achieving the GRIHA EPI (Energy Performance Index) benchmark. Provide supporting calculations for EPI (Simulation result or acceptable manual calculations explaining all assumptions) Solar water heating
13	Structure Techniques	Narrative on structure techniques proposed to reduce embodied energy structurally and non structurally Use of fly-ash in structure, block work, mortar & plaster. Structural techniques (post tension slab, cast in situ etc.) Non-structural techniques (use of AEC blocks, fly ash bricks etc.)
14	Low energy material in interiors	Narrative on use of low energy materials in interiors. False ceiling Flooring Door / windows and frames Built in furniture etc.
15	RE indoor lighting report	Narrative on the RE system being used Lighting load and consumption Space conditioning load and consumption Proposed RE system Power generated by proposed RE system.
16	RE for hot water report	Report on hot water systems Hot water requirement Energy calculation for heating the required amount of hot water Quantity of hot water being heated with RE system.

17	Waste water and treatment system	Waste water treatment report Waste water treatment system with specification Water balance chart Rain water harvesting system details Report on soil investigation to support rain water recharge
18	Waste management after construction	Provide a narrative on waste management Waste segregation and storage in building Waste segregation and storage on site Disposal of waste Treatment of organic waste on site
19	Water optimization report	Water optimization plan explaining Source of potable water Quality of raw water Treatment of raw water (if applicable) Waste water treatment Quality of treated waste water Rain water harvesting Ground water recharge
20	Use low-VOC paints/adhesives/sealants	Provide narrative on use of 100% of internal paints used in the project is zero or low VOC paints/adhesives/ sealants. 100% of sealants and adhesive are water based rather than solvent oil based. 100% of composite wood products are no urea formaldehyde resins
21	Minimize ozone depleting substances	Provide narrative on use of 100% zero OPD insulation, HCFC (hydrochloroflorocarbon)/ and CFC (cloroflorocarbon), free HVAC, and refrigeration equipment/ and halon free fire suppression and extinguishing systems
22	Acceptable outdoor and indoor noise levels	Provide a narrative on measures adopted in building and site to achieve desired noise levels as per NBC 2005
23	Tobacco and Smoke Control	Provide a narrative on smoking prevention or prohibition measures proposed in building and site
24	Physically challenged facilities	Narrative on the facilities provided for physically challenged Toilets Ramps Staircase, lifts Parking facilities
	<b>Declarations</b>	<b>Description</b>
1	Municipal Authority	Construction approval
2	Water Board	Water supply approval ( Jal Board)

3	Electrical Department	Certificate for approved load on site
4	Client	Certificate for Correct information and complying to the commitments
5	Project manager	Certificate for following the commitments and check on site
6	Chief architect	Certificate for building bye laws and other building regulations
7	Energy consultant	Certificate for conformity to GRIHA requirements.

	Calculation	Description
	External lighting	Calculator
	Hard surface calculation	Calculator
	Landscape water calculation	Calculator base case vs design case
	Building water calculation	Calculator base case vs design case

	Test reports	Description

	Other Documents	Description